

# Work Order ID 70162

Monday, May 30, 2011 12:43:41 PM



Page 1

Item ID: D205-665-015

Accept



Setup Start



Revision ID:

Stop



Item Name: Cable Guard

Start Date: 5/30/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 6/8/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan:

*[Signature]*

Date:

*4-05-30*

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
<b>Draw Nbr</b>	<b>Revision Nbr</b>								
D205-665	Rev D								
100	DOCUMENT CONTROL	0.00							
DC	<b>Memo</b>	0.00							
Document Control	Photocopy bluefile & type labels per PPPD205-665-015 CHG 002								
									<i>8 u/6/12</i>
110	Pick Kit	0.00							
Packaging	<b>Memo</b>	0.00							
Packaging									
									<i>11/6/10 (9)</i>
120	QC4- 100% Inspect kits for completeness	0.00							
QC	<b>Memo</b>	0.00							
Quality Control									
									<i>(74)</i>

*for CL 11-6-14*

*11/6/10 (9)*

*8 u/6/12*

*(74)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 70162**

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Monday, May 30, 2011 12:43:41 PM

Item ID: D205-665-015

Accept



Setup Start



Revision ID:

Stop



Item Name: Cable Guard

Start Date: 5/30/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 6/8/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 	Packaging	0.00							
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D205-665-015 Location: <u>CSI</u> PPP Rev: _____								
140 	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

11/7/12 SP 4

11/7/12  
ME  
11-07-12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QG Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Monday, May 30, 2011 1:03:03 PM

Page 1

Work Order ID: 70162

Parent Item: D205-665-015

Parent Item Name: Cable Guard



Start Date: 5/30/2011

Required Date: 6/8/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:D Removed Manufacturing 06-06-19 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2916-1 Cable Guard, 212 Skidtube		Manufactured	No			110	Each	1.0000	1	4			
--------------------------------------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST207	1	

D2916-3 Cable Guard, 212 Skitube		Manufactured	No			110	Each	0.0000	1	4			
-------------------------------------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST207	1	

D2916-5 Cable Guard, 212 Skidtube		Manufactured	No			110	Each	0.0000	1	4			
--------------------------------------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST207	1	

D2916-7 Cable Guard, 212 Skidtube		Manufactured	No			110	Each	8.0000	1	4			
--------------------------------------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST207	1	

D2915 Bushing		Manufactured	No			110	Each	9.0000	4	16			
------------------	--	--------------	----	--	--	-----	------	--------	---	----	--	--	--

Location	Loc Qty	Loc Code
ST207	8	

Location	Loc Qty	Loc Code
ST026	9	

3x  
B 70163  
11/6/15

2x  
B 56258  
11/6/13

11/6/16  
20160

11/6/13

11/6/13

8x 70857 10/11/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Monday, May 30, 2011 1:03:03 PM

Work Order ID: 70162

Parent Item: D205-665-015

Parent Item Name: Cable Guard

Start Date: 5/30/2011

Required Date: 6/8/2011

Start Qty: 4.00

Required Qty: 4.00

D2529

Manufactured No

110 Each

399.0000

2

8



Washer

Location

Loc Qty

Loc Code

ST016

399

66953

399

D2570

Manufactured No

110 Each

285.0000

8

32



Bushing

Location

Loc Qty

Loc Code

ST017

285

66933

1

67759

82

68103

202

AN4-47A

Purchased No

110 Each

61.0000

4

16



Bolt

Location

Loc Qty

Loc Code

ST361

61

105978

61

AN4-55A

Purchased No

110 Each

11.0000

4

16



bolt

Location

Loc Qty

Loc Code

ST361

11

114056

11

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Monday, May 30, 2011 1:03:04 PM

Work Order ID: 70162

Parent Item: D205-665-015

Parent Item Name: Cable Guard



Start Date: 5/30/2011

Required Date: 6/8/2011

Start Qty: 4.00

Required Qty: 4.00

MS21042L4

Purchased

No

110

Each

4,441.000

8

32



Nut

Location

Loc Qty

Loc Code

ST300

4441

116823

641

117441

3000

117601

800

NAS1149D0463J

Purchased

No

110

Each

3,635.000

2

8



Washer

Location

Loc Qty

Loc Code

FP-B

8

116805

8

ST298

3627

116025

26

116805

0

117291

1001

117460

1600

117591

1000

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

REFERENCE ONLY

# PARTS LIST

QTY -011	QTY -013	QTY -015	QTY -017	PART NUMBER	DESCRIPTION
X				D205-665-011	CABLE GUARD INSTALLATION
	X			D205-665-013	CABLE GUARD INSTALLATION
		X		D205-665-015	CABLE GUARD INSTALLATION
		/	X	D205-665-017	CABLE GUARD INSTALLATION
1				D2886-1	GUARD
	1			D2886-3	GUARD
			1	D3990-1	GUARD
		1		D2916-1	GUARD
		1		D2916-3	GUARD
		1		D2916-5	GUARD
		1		D2916-7	GUARD
		4		D2915	BUSHING
1		2	1	D2529	WASHER
6	6	8	2	D2570	BUSHING
4	3	4	2	AN4-47A	BOLT
		4		AN4-55A	BOLT
4	3	8	2	MS21042L4 (OR -4)	NUT
1		2	1	NAS1149D0463J	WASHER (OR AN960JD416)

## WEIGHT AND BALANCE

Installation	Weight	Longitudinal	
		Arm	Moment
D205-665-011	2.22 lb 1.01 kg	145.2 in 3.69 m	322 in-lb 3.73 m-kG
D205-665-013	2.20 lb 1.00 kg	101.7 in 2.58 m	224 in-lb 2.58 m-kG
D205-665-015	6.96 lb 3.16 kg	117.2 in 2.97 m	816 in-lb 9.40 m-kG
D205-665-017	0.70 lb 0.32 kg	68.5 in 1.74 m	48 in-lb 0.56 m-kG

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-Q-01

APPROVED

BY: [Signature]  
D. SHEPHERD (DE # 02)

DATE: 09.11.12  
CERT. NO.: SH96-88  
ISSUE NO.: 3

DESIGN		<b>DART AEROSPACE LTD.</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. D
MFG. APPR.	N/A	<b>D205-665</b>	SHEET 2 OF 6
APPROVED		TITLE	SCALE
DE APPR.		<b>CABLE GUARD INSTALLATION</b>	NTS
DATE	09.11.12	<small>COPYRIGHT © 1999 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	